

**Appl. No. 09/511,265  
Amdt. Dated August 3, 2004  
Reply to Office action mailed May 3, 2004**

**Replacement Drawings:**

While the drawings have not been amended, the attached thirty-four (34) sheets of drawings are provided as replacement sheets. No new matter has been added to the originally filed drawings.

Attachment: Appendix: Thirty (30) Replacement Sheets

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APPENDIX  
REPLACEMENT SHEETS

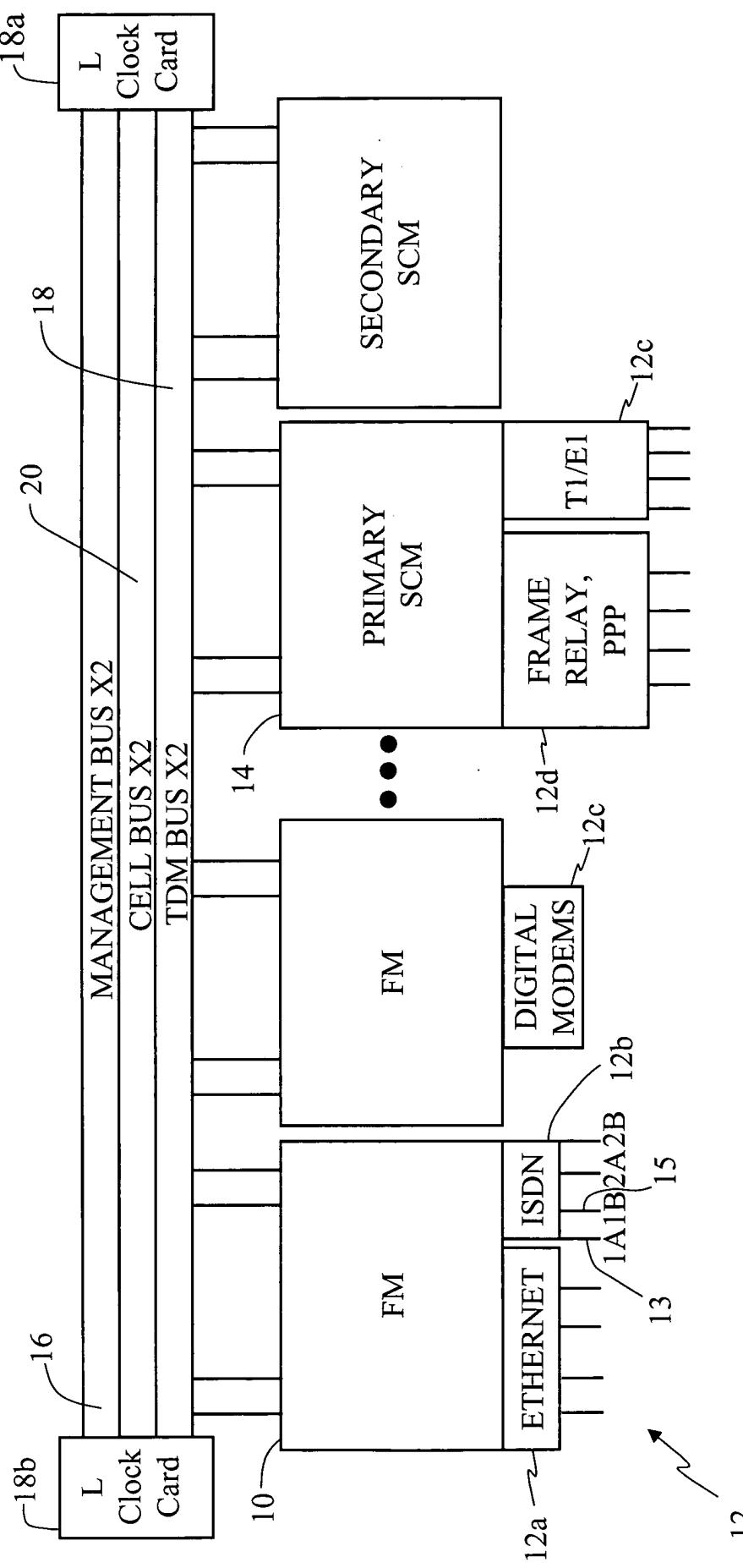


FIG. 1

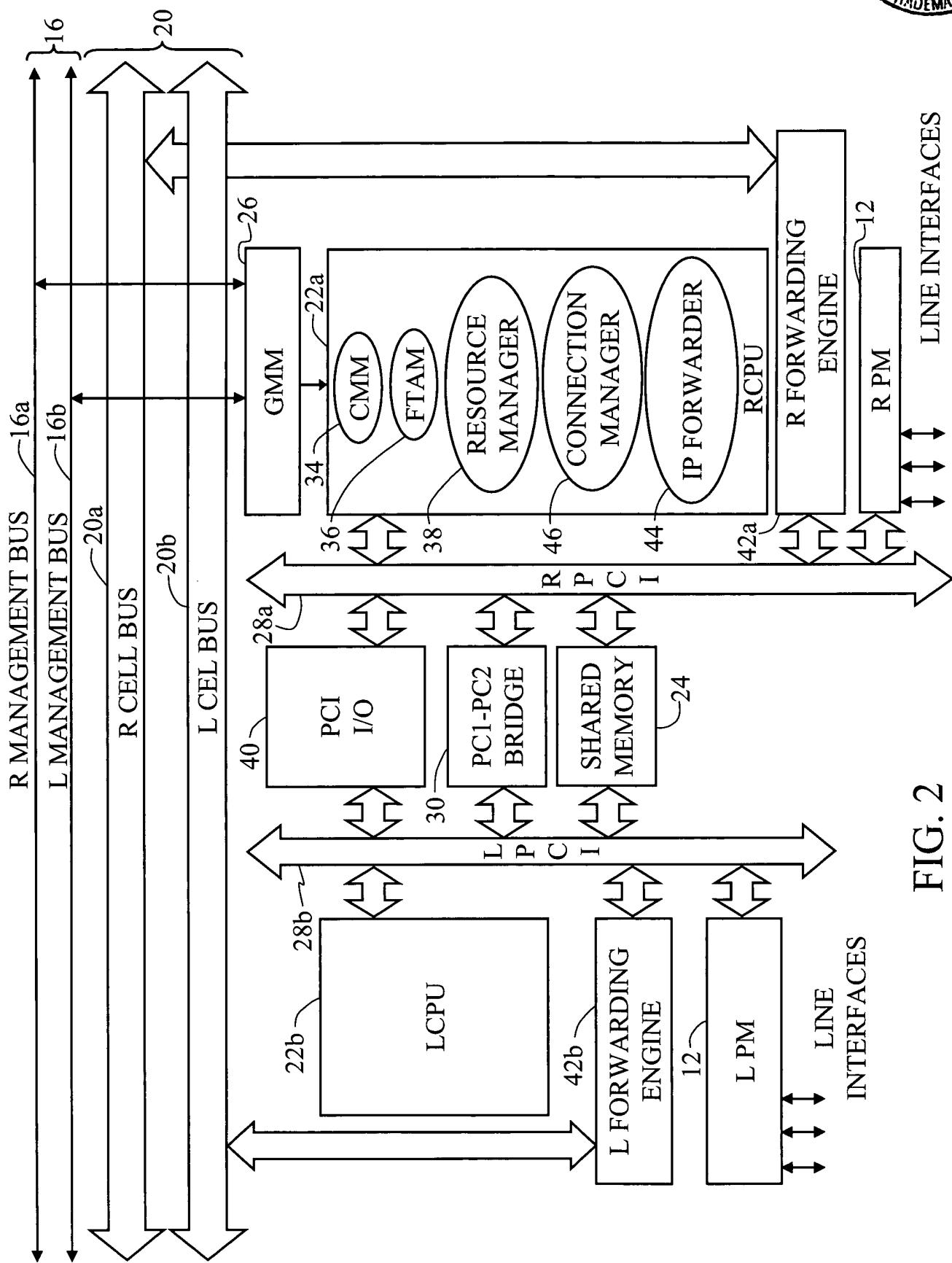
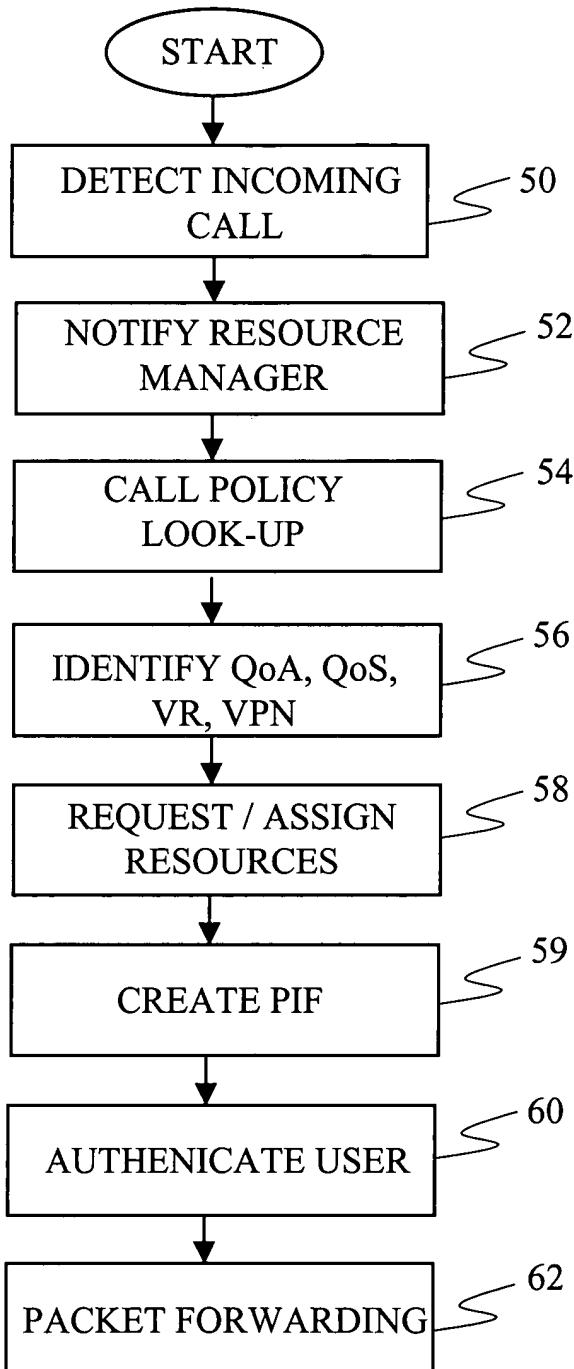


FIG. 2



**FIG. 3**

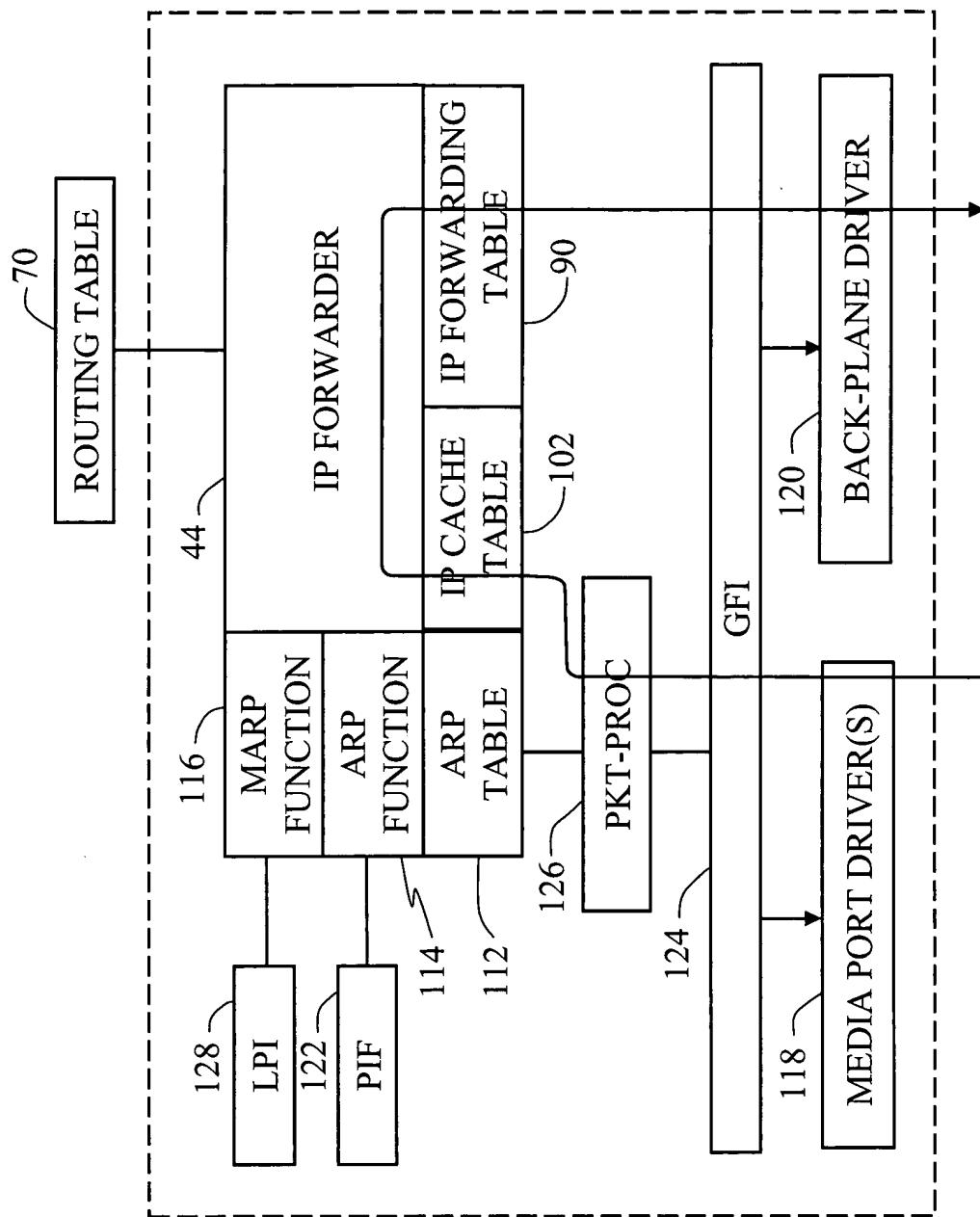


FIG. 4



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IP ROUTE TABLE:  
 TOTAL ROUTES: 32

72 DESTINATION	74 SUBNET MASK	76 NEXTHOP	78 OWNER	80 COST
0.0.0.0	0.0.0.0	206.169.142.9	STATIC	1
0.0.0.0	0.0.0.0	206.169.114.17	STATIC	2
0.0.0.0	0.0.0.0	10.1.205.18	OPSPFE	11
10.180.180.0	225.225.225.248	10.1.205.18	OPSPFE	11
10.3.1.16	225.225.225.240	10.1.130.2	OPSPFE	20 :2
10.2.215.64	225.225.225.240	10.1.130.1	OPSPF1	20
10.3.215.64	225.225.225.240	10.1.130.2	OPSPF1	20
10.2.215.0	225.225.225.192	10.1.130.1	OPSPF2	30
10.3.215.0	225.225.225.192	10.1.130.2	OPSPF2	30
10.2.215.0	225.225.225.192	10.1.130.1	OPSPF2	30
10.2.215.0	225.225.225.192	10.1.130.1	OPSPF2	30
10.2.215.128	225.225.225.192	10.1.130.2	OPSPF2	130
10.1.54.0	225.225.225.0	DIRECT	DIAL-POOL	1
10.131.71.0	225.225.225.0	10.1.205.18	OPSPFE	11
10.1.0.0	225.225.0.0	DIRECT	LOCAL	1
10.181.0.0	225.225.0.0	10.1.205.18	OPSPFE	11
10.87.0.0	225.225.0.0	10.1.205.18	OPSPFE	11
10.89.0.0	225.225.0.0	10.1.205.18	OPSPFE	11
10.91.0.0	225.225.0.0	10.1.205.18	OPSPFE	12
10.200.0.0	225.225.0.0	10.1.205.18	OPSPFE	20
10.77.0.0	225.225.0.0	10.1.51.200	OPSPF1	110
11.22.33.0	225.225.225.0	10.1.16.16	OPSPF1	110
206.169.114.16	225.225.225.252	DIRECT	LOCAL	1
206.169.114.152	225.225.225.248	DIRECT	DIAL-POOL	1
206.169.114.136	225.225.225.248	DIRECT	DIAL-POOL	1

PRESS ENTER TO CONTINUE,  
 ANY OTHER KEY FOLLOWED BY ENTER TO ABORT:

FIG. 5



PRI-SCM: 1.1>=2:netman:ip#\_view ipf

IP Forwarding Table:

Total IPF table entries: 12

Destination	Subnet Mask	Nexthop	Type	Flags (*)
10.3.238.1	225.255.255.255		SPORT	SD(r)
10.1.6.36	225.255.255.255		SPORT	M
10.1.6.35	225.255.255.255		SPORT	M
10.1.6.34	225.255.255.255		SPORT	M
10.1.6.33	225.255.255.255		SPORT	M
10.1.6.32	225.255.255.255		SPORT	M
10.1.6.31	225.255.255.255		SPORT	M
10.2.238.1	225.255.255.255		SPORT	SD (1)
10.1.6.30	225.255.255.255		SPORT	SD (1)
10.3.0.0	225.255.0.0		SPORT	PD (r)
10.2.0.0	225.255.0.0		SPORT	PD (l)
10.1.0.0	225.255.0.0		SPORT	PD (l)
0.0.0.0	0.0.0.0	206.169.142.9	SPORT	R

(\*) D: Direct (and l=local card only, r=remote card only), S: System i/f, R: Remote, P: Supernet, F:Default, and M: Mgmt.

Actual IPF Table Entries: 12

92 94 96 98 100 90

FIG. 6



TOTAL IP CACHE ENTRIES: 3

104 DESTINATION	106 SOURCE	108 OUT PORT	110 HEADER
207.200.77.45	206.169.114.138	FR.1.5.2.3.1	08001000CEA97211
206.169.114	142.10.1.1.25	MO.1.3.1.1.29	0800201DCEA9728E
198.41.0.5	206.169.114.138	FR.1.5.2.3.1	08000000CEA97211

FIG. 7



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✓

IP ARP TABLE:

200 ✓ IP ADDRESS	202 ✓ MAC ADDRESS	204 ✓ PHYSICAL PORT	206 ✓ TYPE
10.1.1.101	00-FF-4A-3D-2F-1A	EN.1.3.1.1.1.	S
10.1.5.100	00-FF-FF-01-FF-20	EN.1.3.2.1.1.	D
150.140.140.30	08-00-09-FF-65-FF	EN.1.3.1.1.14	LB
147.128.128.60	08-00-09-FF-38-38	EN.1.3.1.1.10	D
10.1.5.109	00-FF-FF-04-02-FF	EN.1.3.2.1.8	S

(\*) R:RMT, L: LCL, D: DYN, S: STAT, P: PT2PT, T: ROUTE AND B: BEAST

TOTAL ARP TABLE ENTRIES: 5

**FIG. 8**

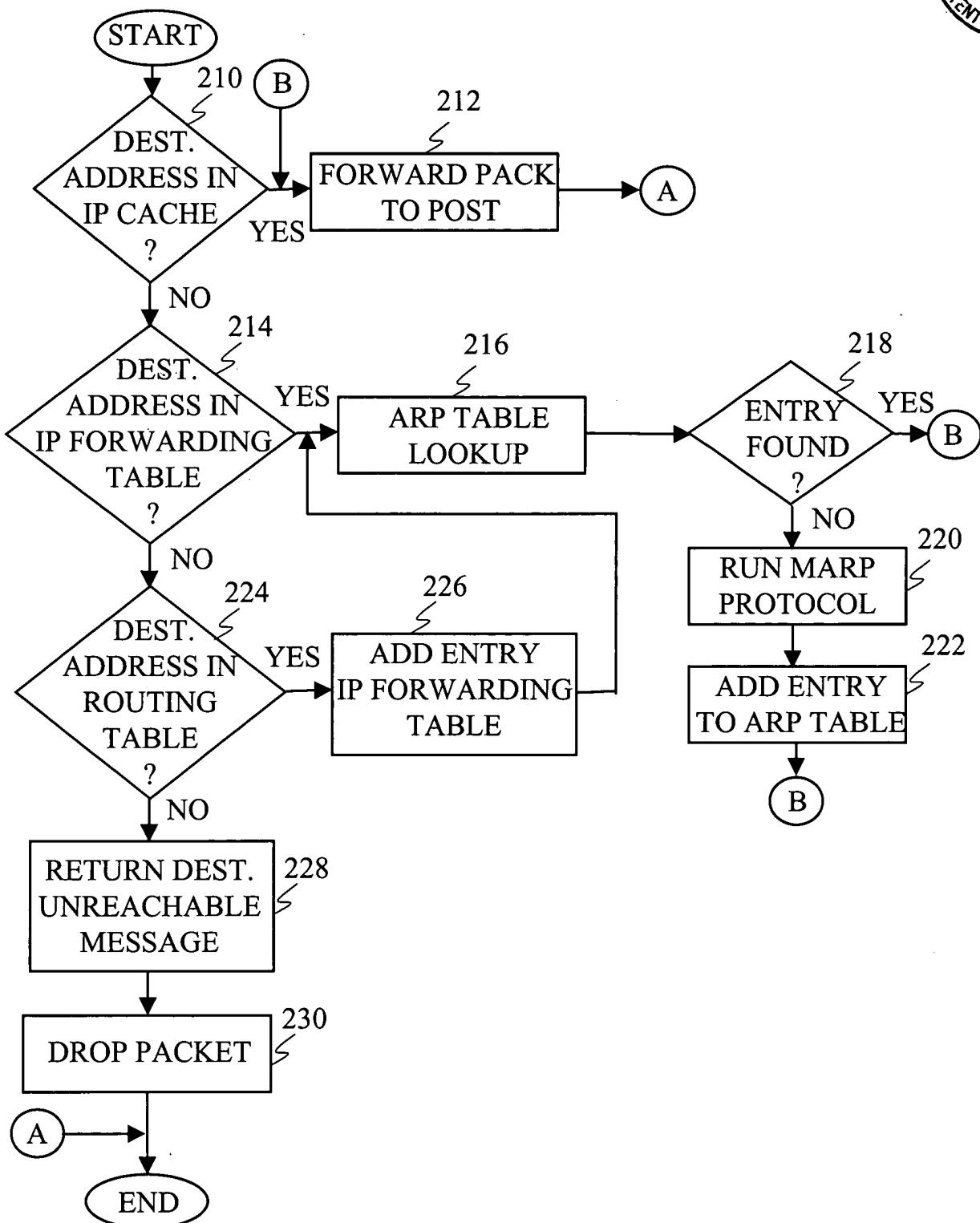


FIG. 9

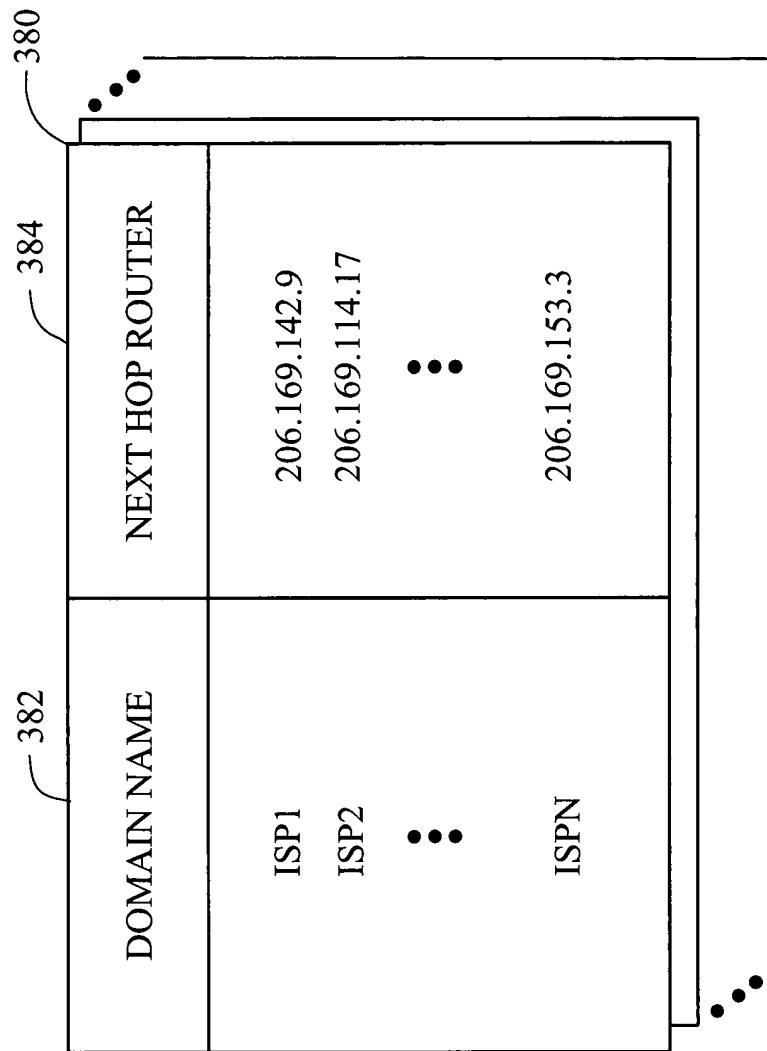


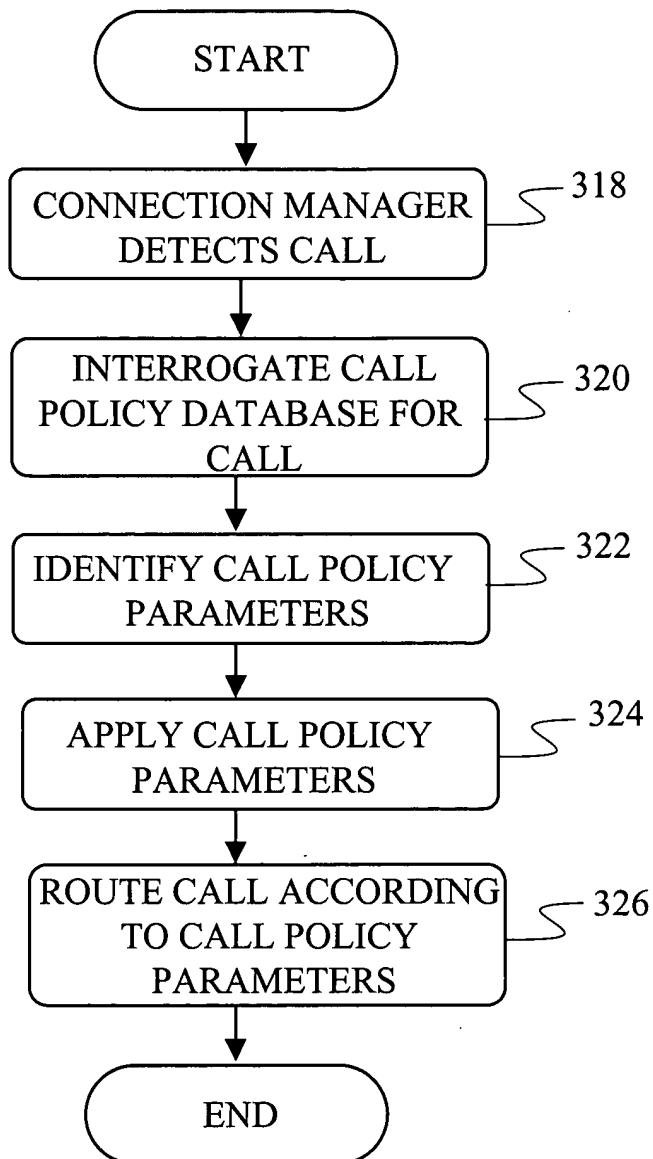
FIG. 10

Application No. 09/511, 265  
Attorney Docket No. 37075/JEC/X2  
Replacement Sheet



291	SEARCH KEY	CALLED-NUM.
292	SOURCE LINK	N/A
293	SOURCE CHANNEL	N/A
294	CALL TYPE:	MODEM
296	SERVICE TYPE:	PPP
298	QUALITY OF ACCESS:	1
300	QUALITY OF SERVICE:	1
302	VR ID:	1
304	VPN ID:	111
306	AUTH. SOURCE:	RADIUS
308	PRY DNS ADDR:	206.169.25.3
310	SCRY DNS ADDR:	206.169.25.100
312	PRY RADIUS SRVR:	10.1.125.26
314	SCRY RADIUS SRVR:	10.1.6.15
316	PHONE NUMBER	555-5555
311	DOMAIN ID	001

FIG. 11



**FIG. 12**



A table with two columns. The left column is labeled "QoA LEVEL" and the right column is labeled "ACCESS THRESHOLD". There are four rows, each containing a number from 1 to 4 in the left column and a percentage in the right column. A bracket on the left side groups the first three rows, and a bracket on the right side groups the last three rows. Handwritten numbers 328, 330, and 332 are written next to the brackets.

QoA LEVEL	ACCESS THRESHOLD
1	100%
2	75%
3	50%
4	25%

FIG. 13

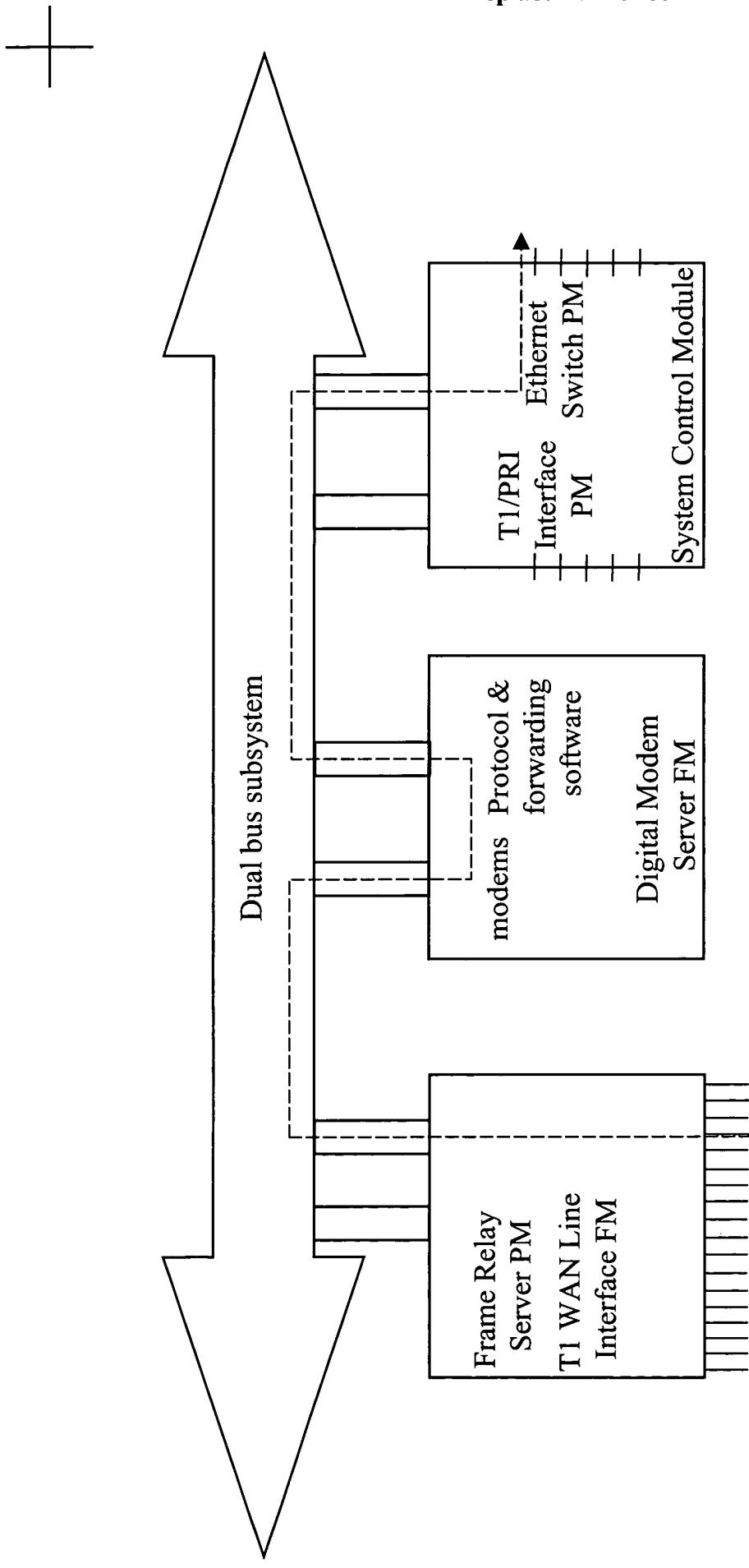


FIG. 14



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MODEM RESOURCES					
336	VR ID	338	MAX LOCAL RESOURCES	340	MAX GLOBAL RESOURCES
			= 111	= 32	= 32
342	CURRENT LOCAL RESOURCES	344	CURRENT GLOBAL RESOURCES		
	= 29		= 29		
346	348	350	352	354	356
QOA	LOCAL QOA	GLOBAL QOA	ACCEPT LOCAL	ACCEPT GLOBAL	ACCEPT GLOBAL
1	0	0	YES	YES	YES
2	8	8	YES	YES	YES
3	16	16	YES	YES	YES
4	24	24	YES	YES	YES

FIG. 15

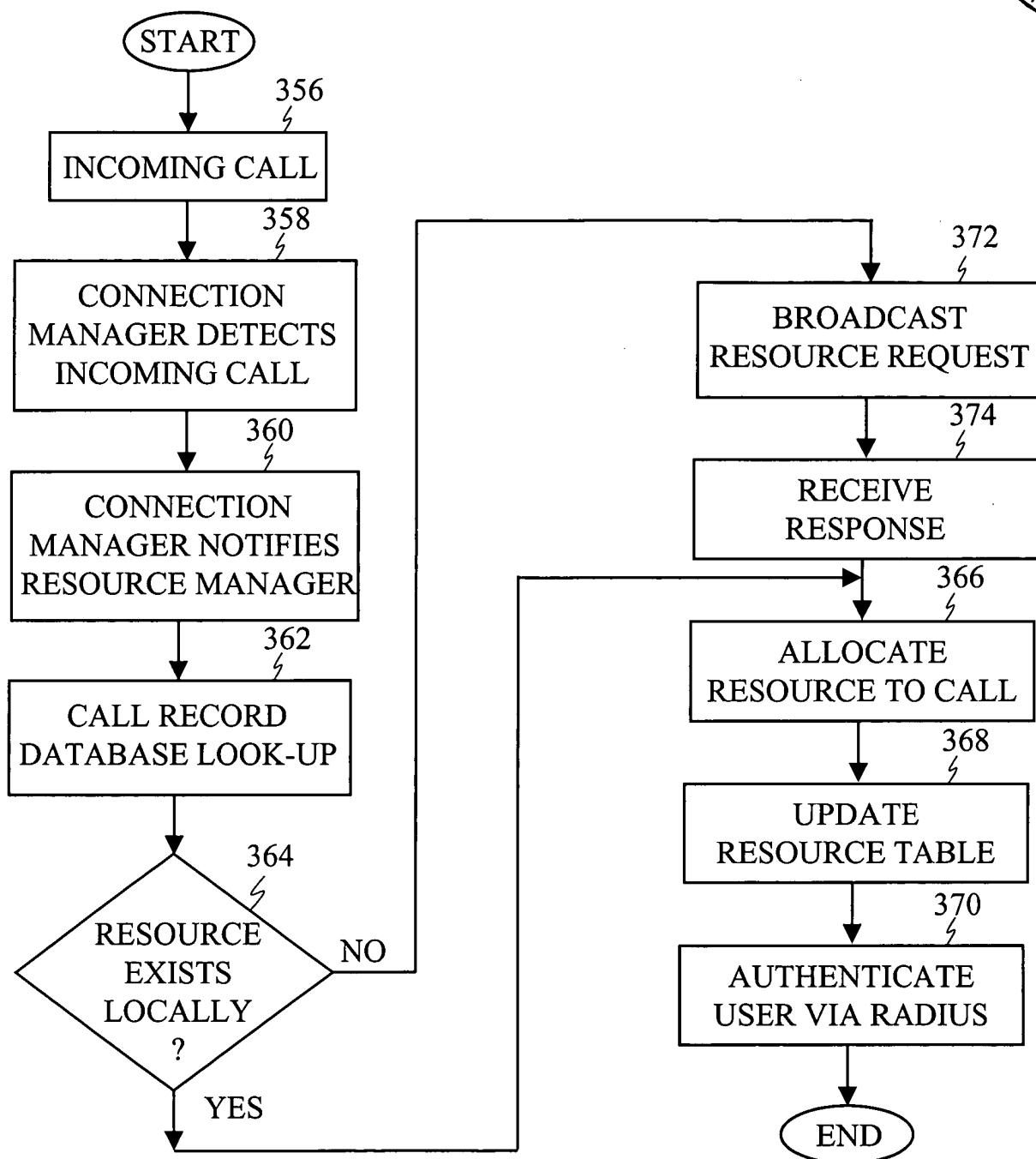


FIG. 16

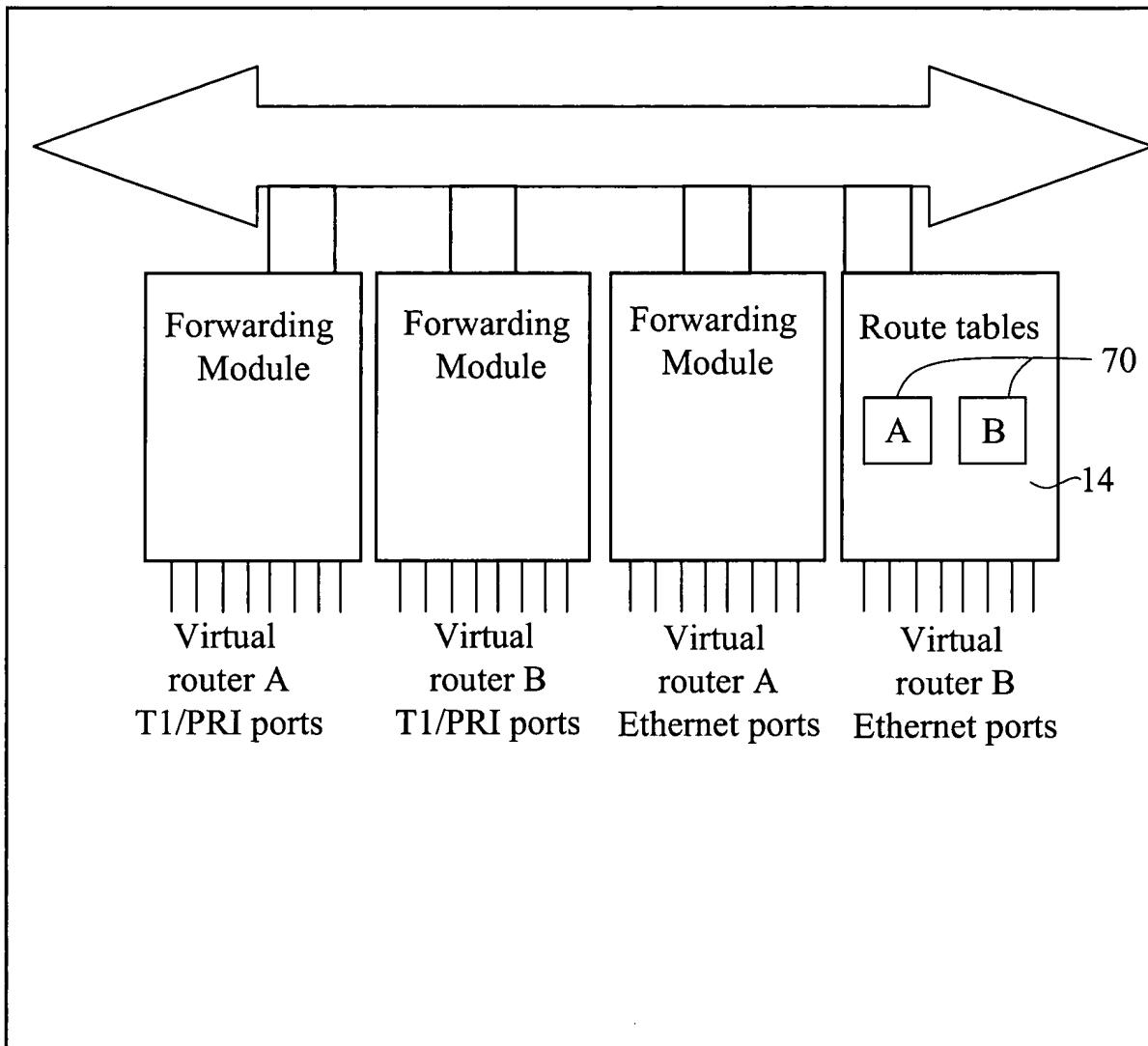


FIG. 17



240  
/

IP VPN SESSIONS:

242	244	246	248	250	252
ID	VPN - ID	SOURCE-ADDR	SOURCE-MASK	DEST-ADDR	DEST-MASK
<hr/>					
1	111	ANY	ANY	10.1.0.0	255.255.0.0
2	ANY	10.1.0.0	255.255.0.0	208.227.214.0	255.255.255.0
3	ANY	10.1.0.0	255.255.0.0	10.1.0.0	255.255.0.0
4	ANY	10.1.0.0	255.255.0.0	206.169.114.128	255.255.255.192
5	ANY	ANY	ANY	10.1.0.0	255.255.0.0
6	ANY	10.1.0.0	255.255.0.0	ANY	ANY
7	ANY	ANY	ANY	ANY	ANY

FIG. 18

Application No. 09/511, 265  
Attorney Docket No. 37075/JEC/X2  
Replacement Sheet



254  
§

PRI – SCM: 1.2>=14:NETMAN:IP#

IP VPN RULES:

256 § ID	258 § PRI	260 § ACTION	262 § IP-PROTO	264 § APP-PROTO	266 § SESSCNT	268 § PKTCOUNT
---	---	-----	-----	-----	-----	-----
1	1	FWD	TCP	FTP	5	3939981
2	1	DROP	ALL	-	2	3

PRI – SCM: 1.2>=14:NETMAN:IP#

**FIG. 19**



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PRI – SCM: 1.1>=3:NETMAN:IP# VIEW PPN – FILTER  
IP VPN LIST OF RULES ATTACHED TO SESSIONS:

272

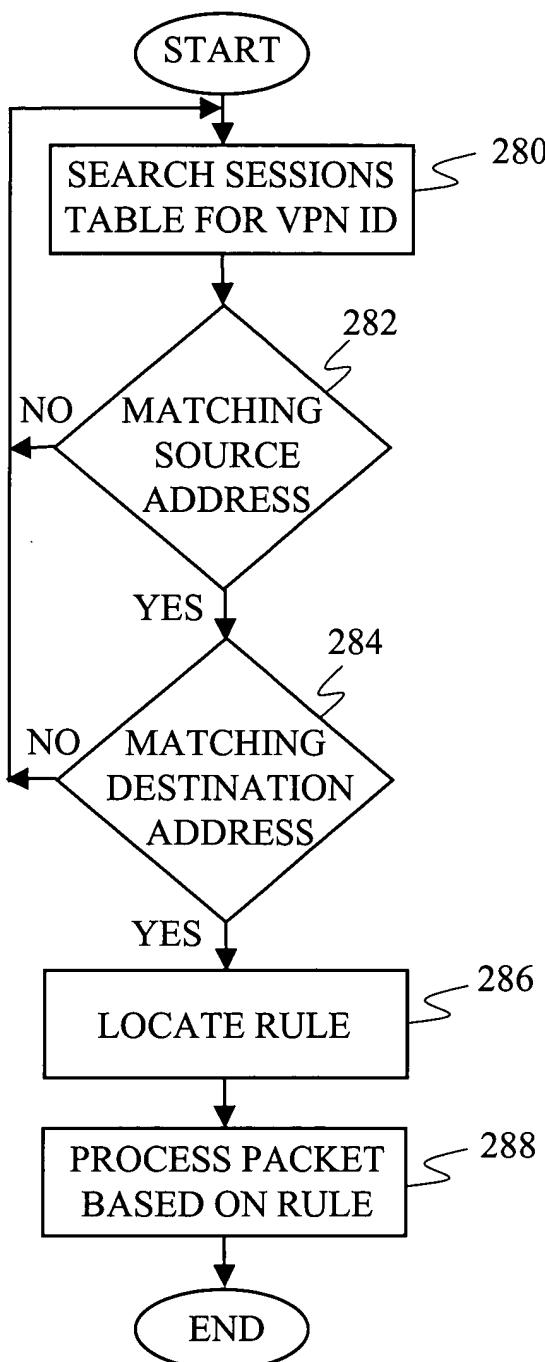
SESSID RULE LIST (IN ORDER OF PRIORITY)

SESSID	RULE LIST (IN ORDER OF PRIORITY)
1	1
2	1
3	1
4	1
5	2
6	2
7	1

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PRI – SCM: 1.1>=4:NETMAN:IP#

**FIG. 20**



**FIG. 21**

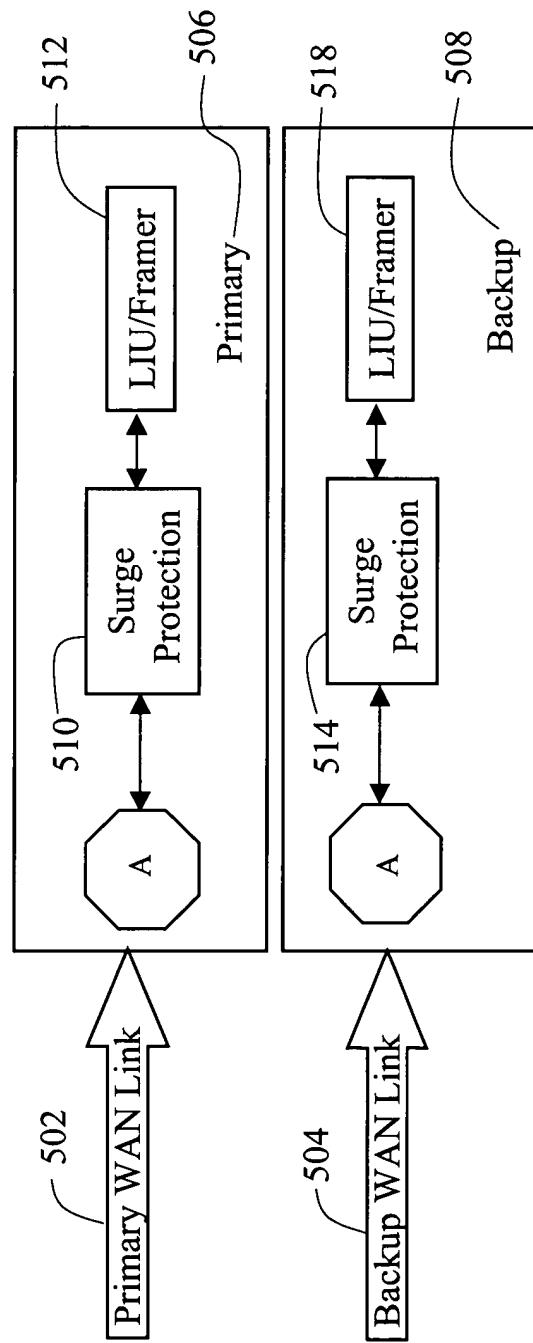


FIG. 22

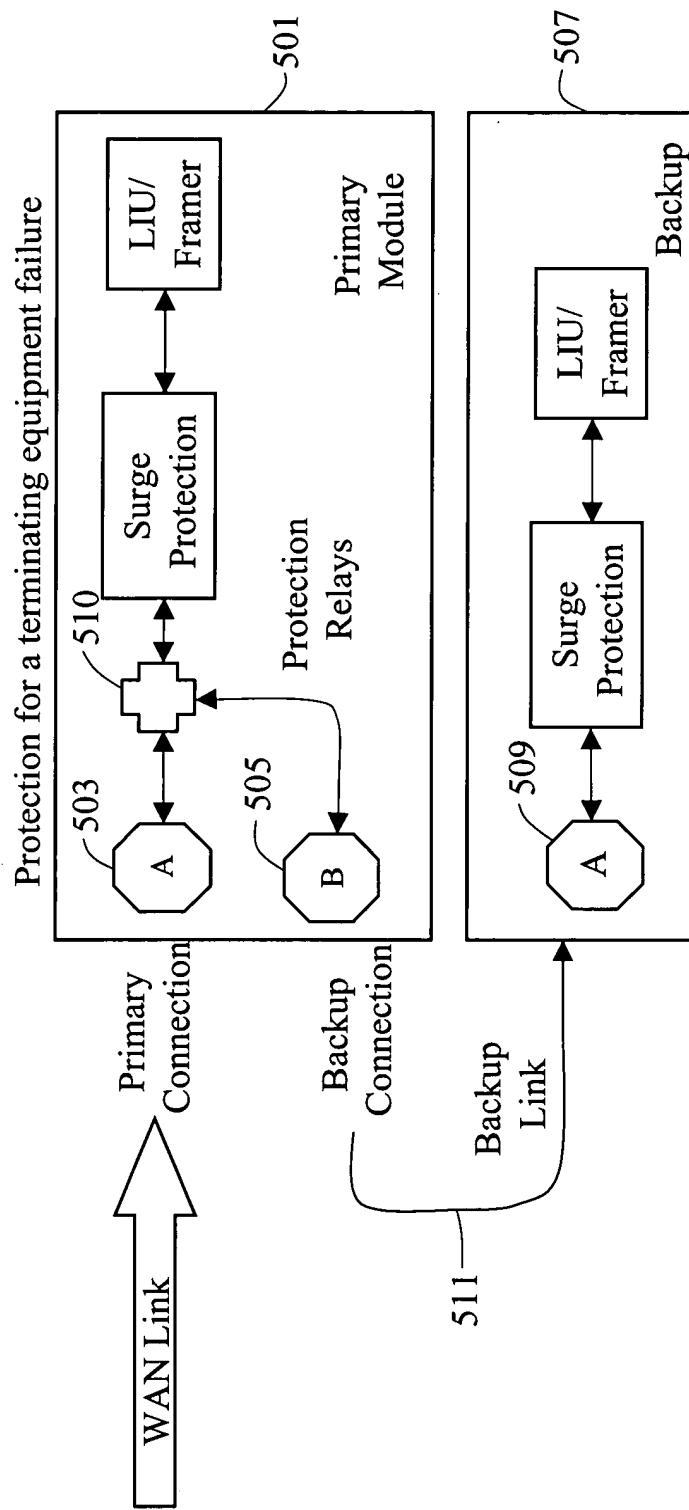


FIG. 23

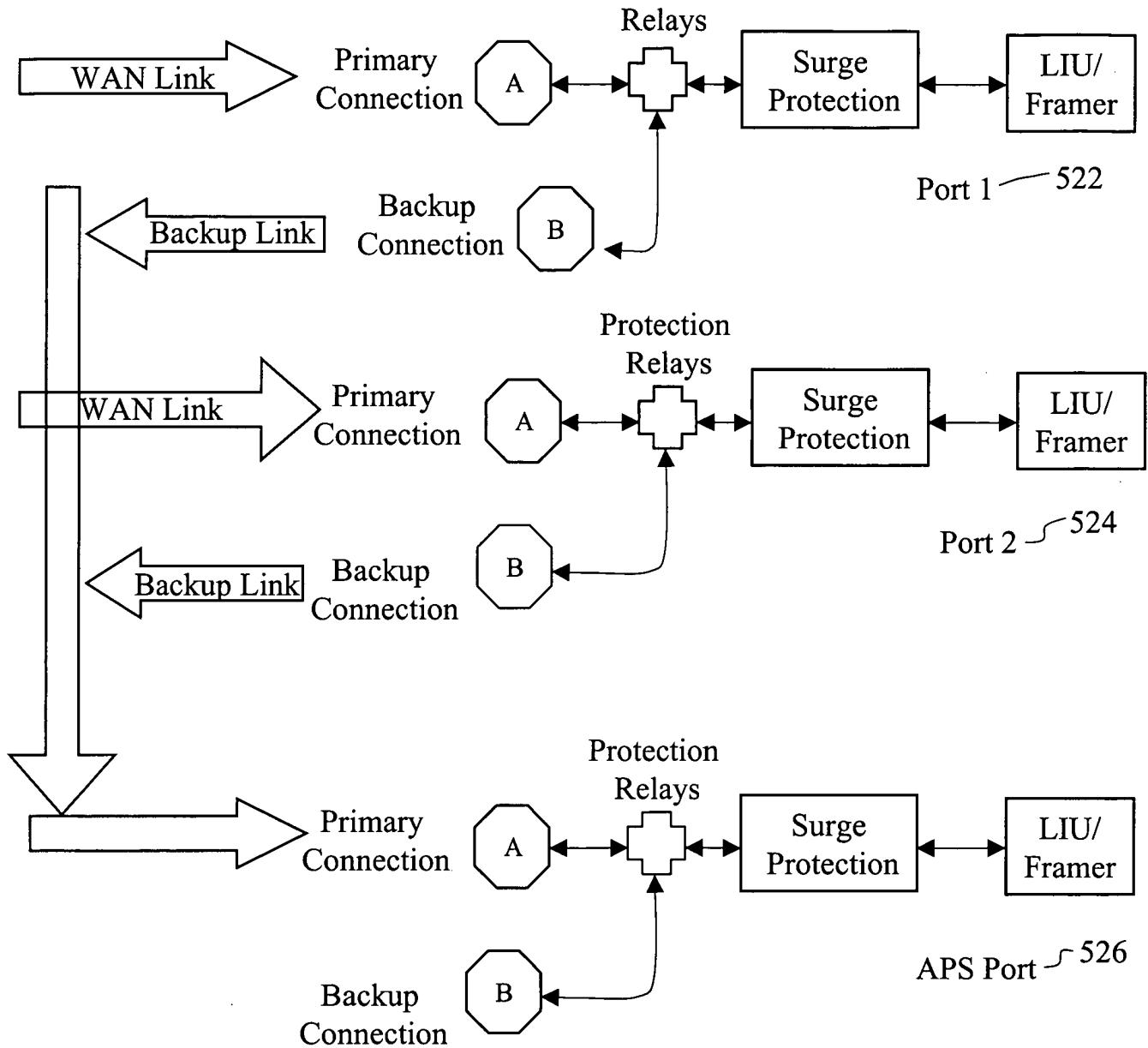


FIG. 24

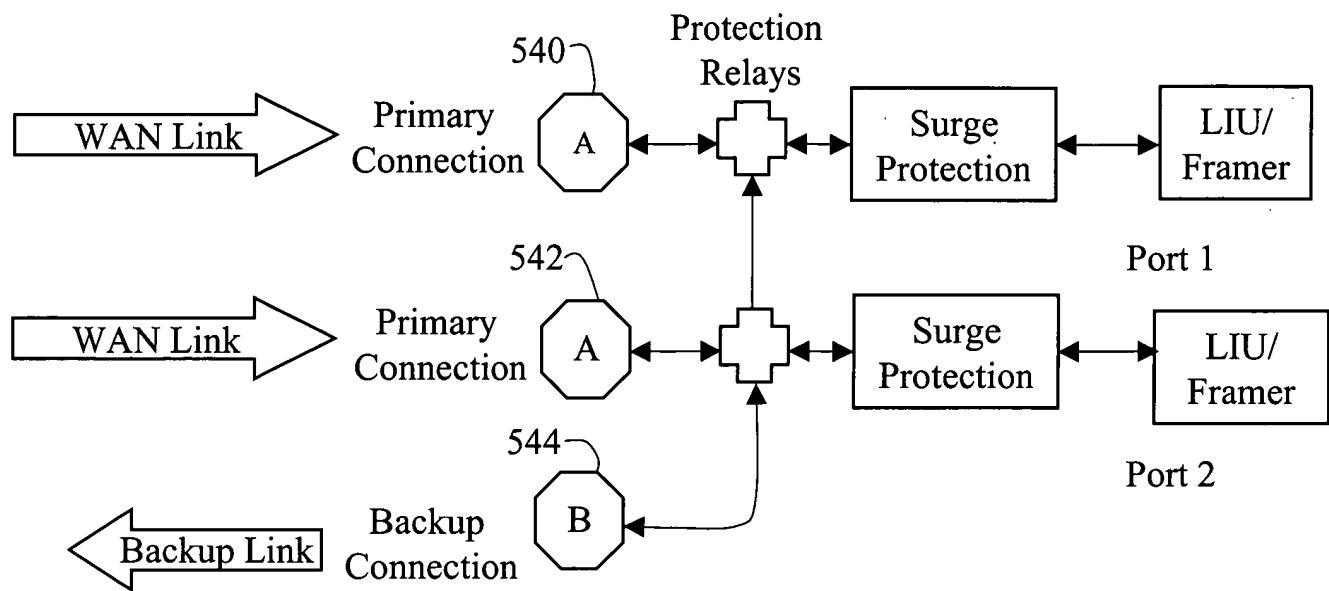


FIG. 25

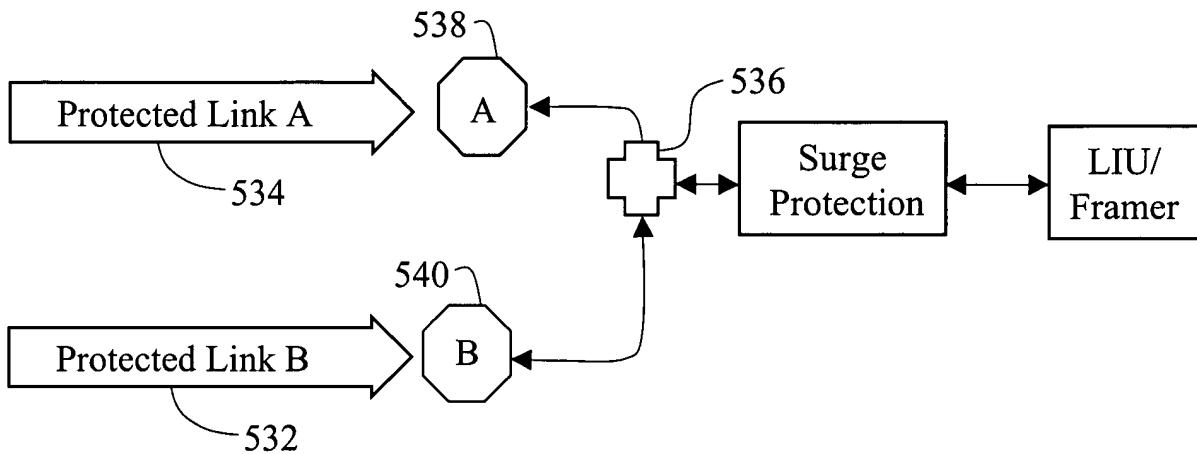


FIG. 26

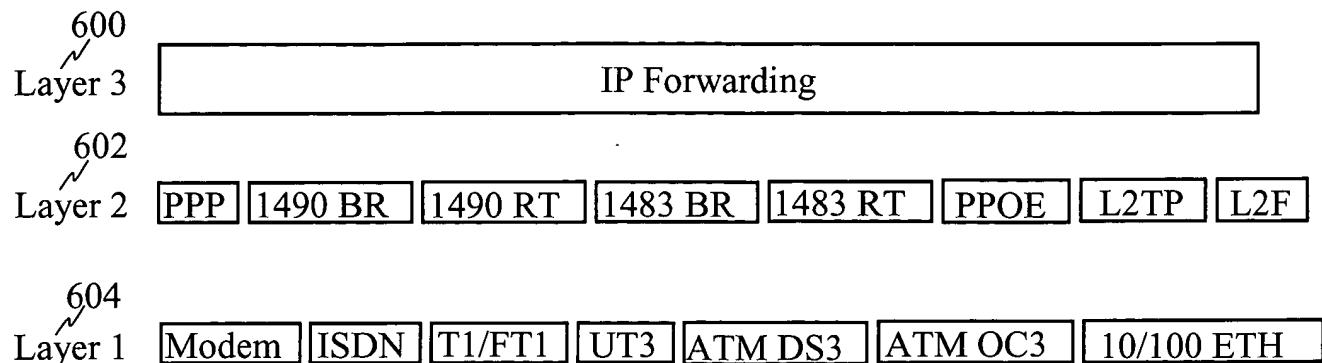


FIG. 27

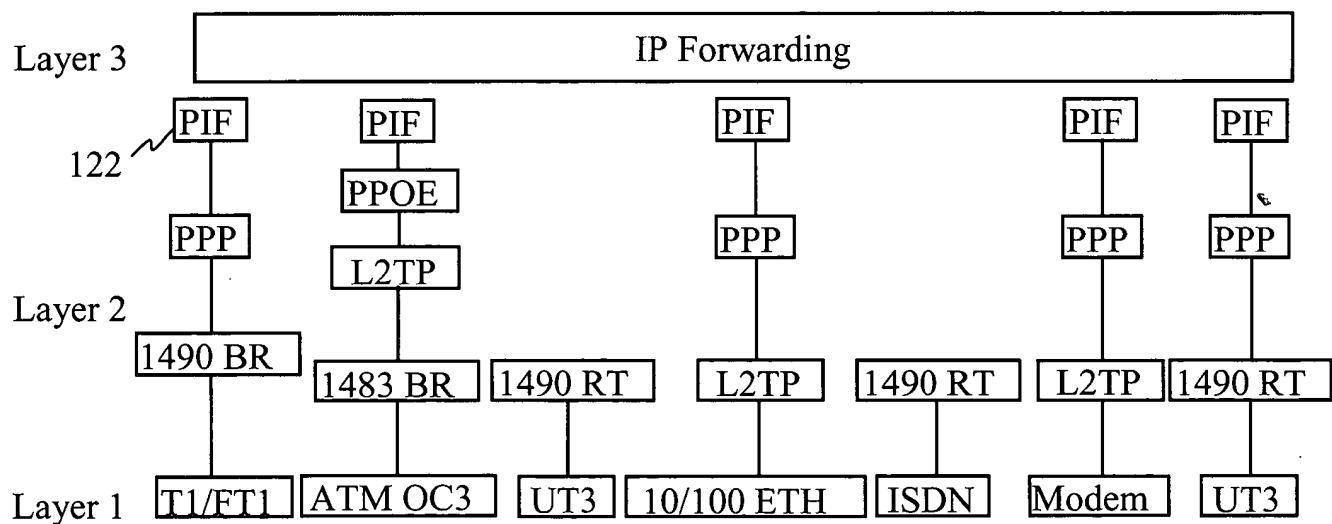


FIG. 28

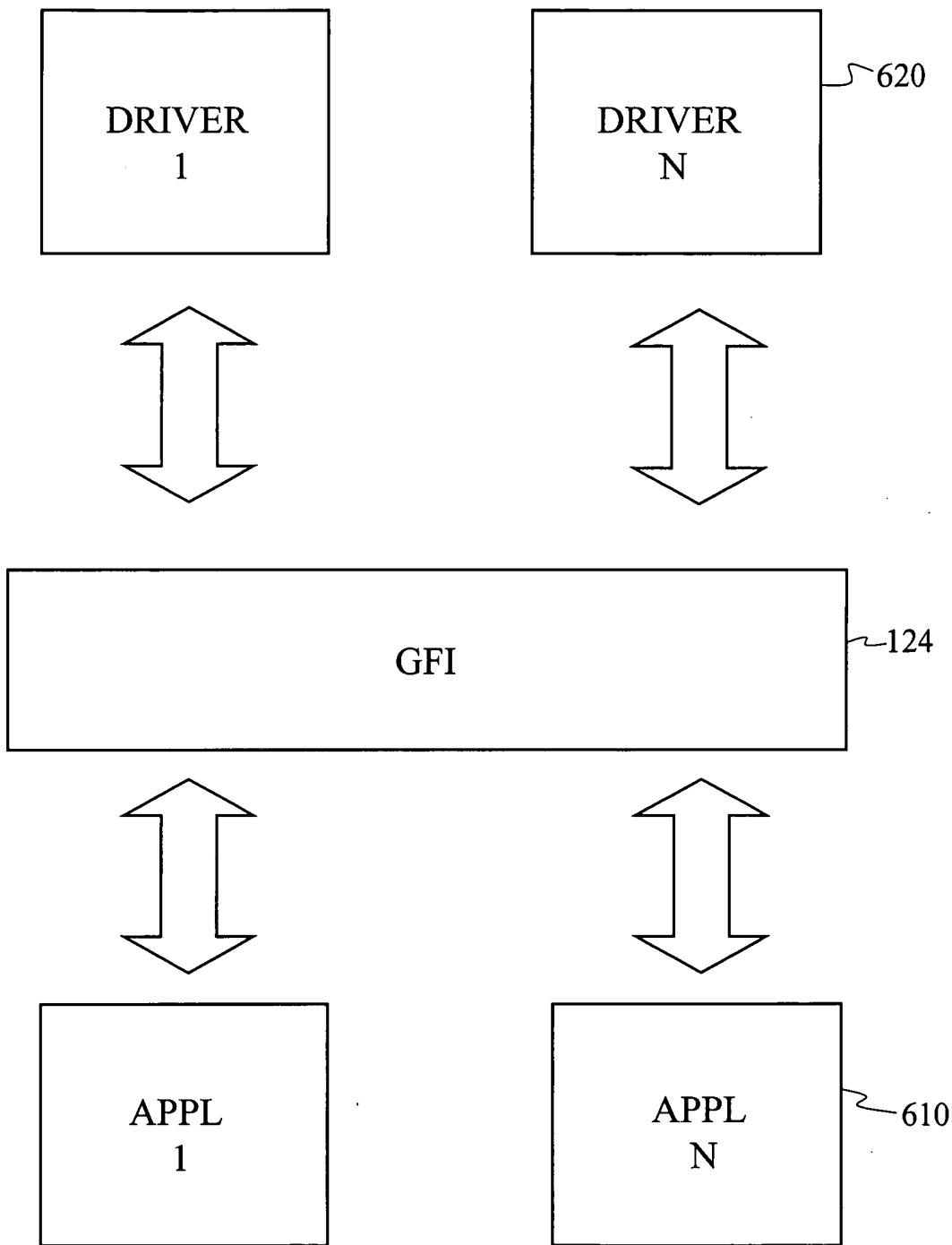


FIG. 29

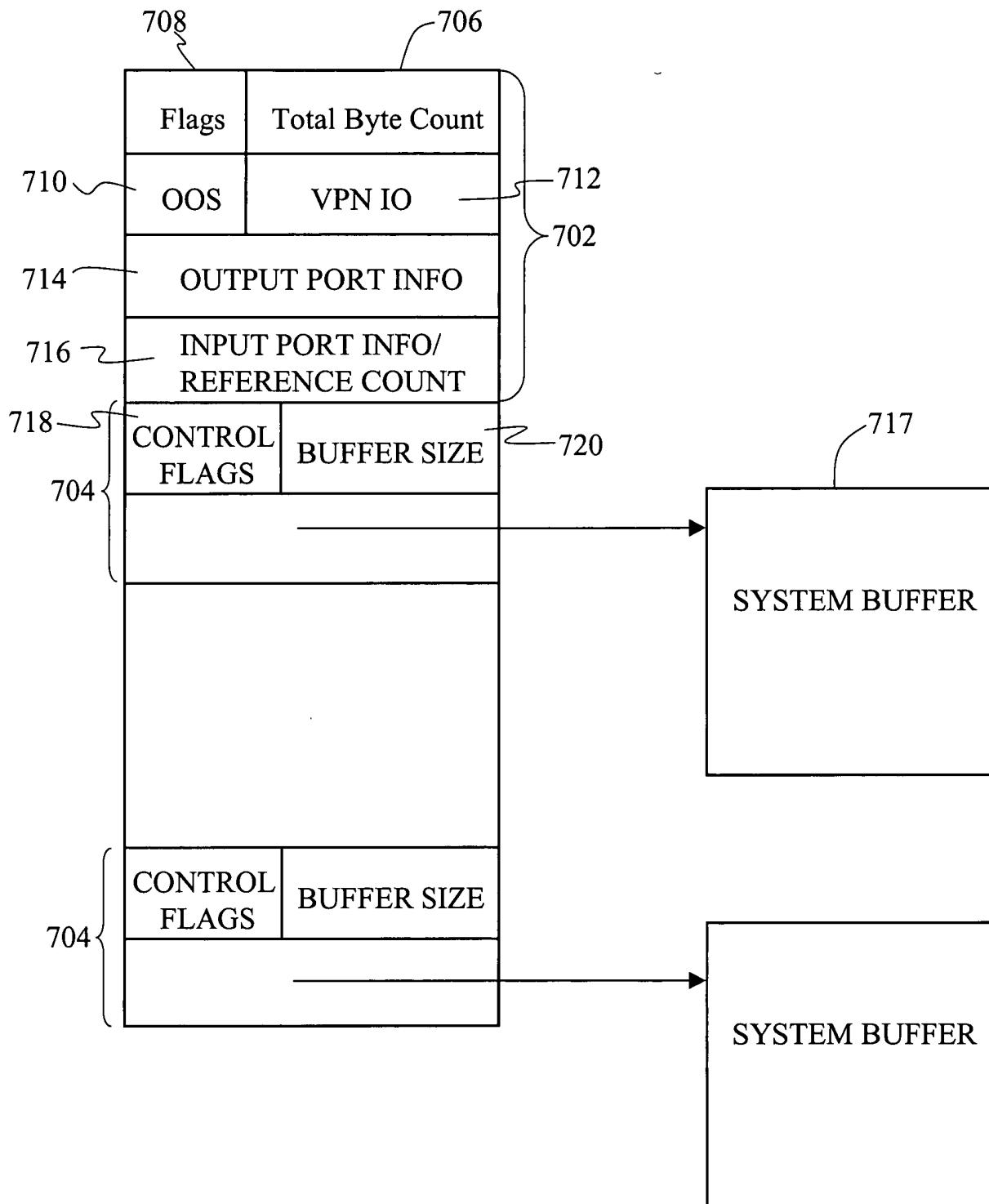


FIG. 30



FPA

	CHASS	SLOT	PM	CONT	PORT NUM
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FIG. 31

PPA

	CHASS	SLOT	PM	LINK	CHAN NUM
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FIG. 32



## INPUT PORT FORMAT

716

FIG. 33



OUTPUT PORT FORMAT

28 27 26 25 24 23 22 21 18 17 12 11

Release	C	R	Multi Cast	S	S	P	P	A	A	R	R	E	E	CHASS	CARD	CONTROLLER	PORT

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FIG. 34

Application No. 09/511, 265  
Attorney Docket No. 37075/JEC/X2  
Replacement Sheet



Port Addr Range	Type	Chass	Card	Control
0-19	Well Known Internal Multicast Address	NA	NA	0
20-18	Well Known Internal Unicast Address	NA	Card Num	0
40-79	Well Known External Multicast Address	NA	NA	0
80-511	Dynamic External Multicast Address	NA	NA	0
512-2048	Remote Port Address	Chass Num	Card Num	0

FIG. 35

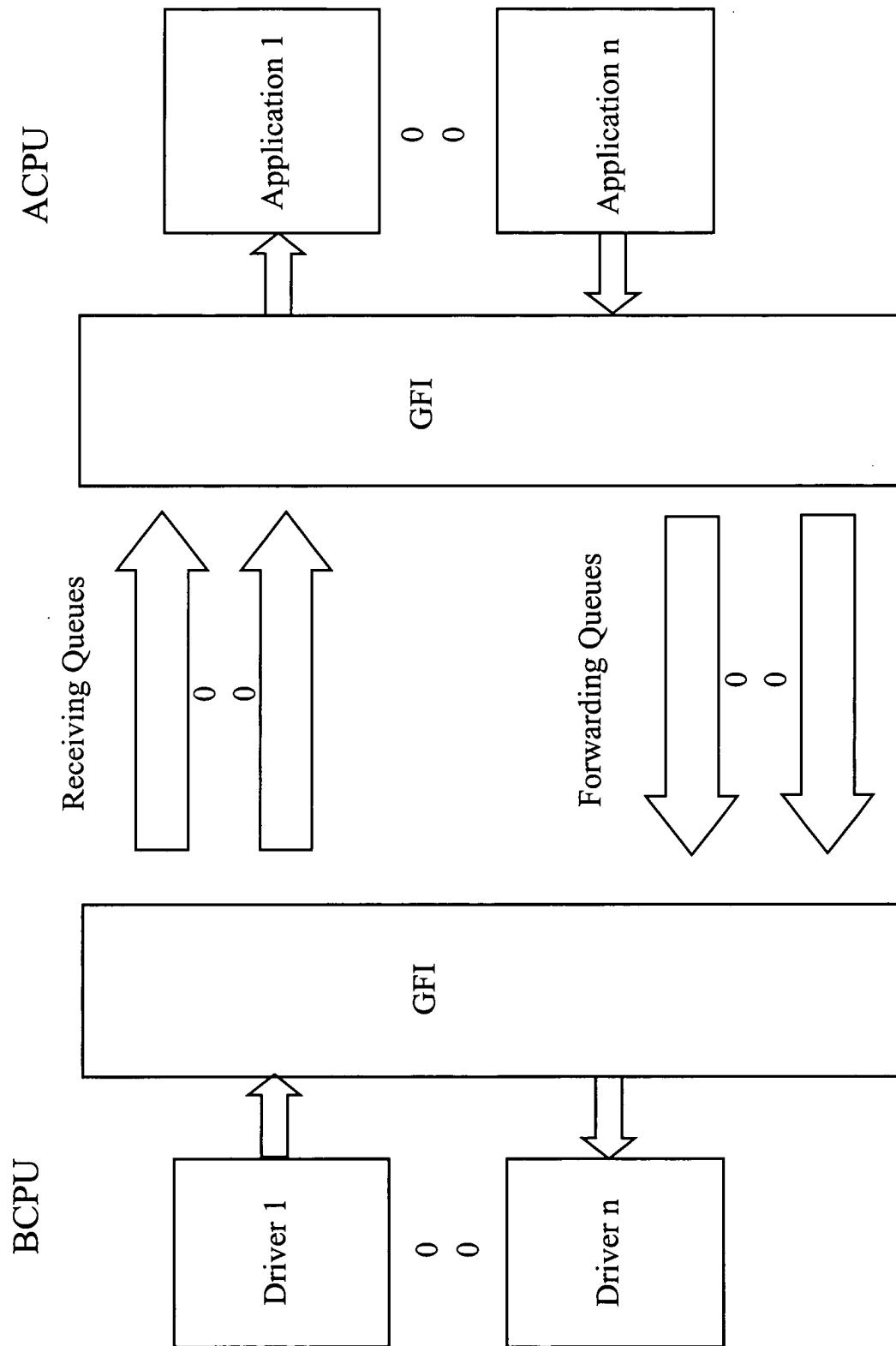


FIG. 36